

IN THE CLAIMS:

28. (Amended) A method of fabricating a hologram-recorded medium which is an imagewise or other pattern-recorded medium comprising a collection of pixels, and in which any one of a plurality of volume type diffraction gratings comprising volume holograms and differing from each other is assigned to at least a part of said pixels, [characterized by] the method comprising:

(stacking a [volume hologram] photosensitive material, capable of recording a volume hologram, on a reflection type relief hologram, [and]

striking reconstructing illumination light of given wavelength on said reflection-type relief hologram through said [volume hologram] photosensitive material, so that interference fringes produced by interference of light diffracted from said reflection type relief hologram and the incident light are recorded in said [volume hologram] photosensitive material, and filtering higher order diffracted light from reflecting back to said photosensitive material.

29. (Amended) A method of fabricating a hologram-recorded medium which is an imagewise or other pattern-recorded medium comprising a collection of pixels, and in which any one of a plurality of volume type diffraction gratings comprising volume holograms and differing from each other is assigned to at least a part of said pixels, [characterized by] the method comprising:

stacking a [volume hologram] photosensitive material, capable of recording a volume hologram, on a first transmission type hologram having a first pattern of interference fringes, [and]

striking reconstructing illumination light of given wavelength on a side of said first transmission type hologram that is not opposite to said [volume hologram] photosensitive material, so that first interference fringes produced by interference of light diffracted from said first transmission type hologram and reference light incident on said [volume hologram] photosensitive material are recorded in said [volume hologram] photosensitive material, and

replacing said first transmission type hologram with a second transmission type hologram having a second pattern of interference fringes and striking the reconstructing light on a side of said second transmission type hologram that is not opposite to said photosensitive material, so